

ASSET	DESCRIPTION OF ASSET APPLICATION FOR SCENARIO DEVELOPMENT
DEMAND SHIFTING	<ul style="list-style-type: none"> ◆ <u>MWD</u>: 60,000 af (2000 Ops) ◆ <u>Kern County Users</u>: 50,000-90,000 af (2000 Ops) ◆ <u>Core Peak</u>: Pay user to shift demand to alternative source ◆ <u>Groundwater Substitution</u>: Shift surface water users in the Sacramento Valley to groundwater ◆ <u>Crop shifting in Delta</u>: Shift to less water intensive crops during certain time periods
GROUNDWATER STORAGE SOUTH OF THE DELTA (WATER ACQUISITION)	<ul style="list-style-type: none"> ◆ <u>Kern Water Bank</u>: Potential for 100 kaf on annual basis for three years if first years of a drought; 90,000 aft in years that KCWA gets 100% allocation in wetter years. Use former in emergencies, and in early years of EWA. ◆ <u>Vidler Water Compancy</u>: Opportunities include lease of groundwater storage space (49,000 af), and water acquisition (6,300 af) ◆ <u>Semitropic</u>: Potential for approximately 100 kaf – possibly more (at 20 kaf/month in/out) ◆ <u>Options</u>: Acquire options on water north and south of the Delta
INCREASED BANKS PUMPING CAPACITY	<ul style="list-style-type: none"> ◆ Increase pumping capacity by 500 cfs in year 2000 (70,000-90,000 af) ◆ Increase pumping capacity to 6.6 kcfs Nov – March + 1/3 SJR. ◆ Increase pumping capacity to 8.5 kcfs July – Sept ◆ Increase pumping capacity to 7.1 kcfs July - Sept
MODIFICATION OF E/I RATIO	<ul style="list-style-type: none"> ◆ Shift averaging period from 14 days to 3 days without changing ratio itself. ◆ Relaxation of E/I in 2000 Ops plan = X af
ACCESS TO SURPLUS PROJECT CAPACITY	<ul style="list-style-type: none"> ◆ Access to San Luis Reservoir and non-project capacity (i.e., Castaic, Eastside)
MARKETS (WILLING SELLER)	<ul style="list-style-type: none"> ◆ Purchase of water for multiple purposes; provide incentives to sellers ◆ Purchase of in-Delta water from willing sellers ◆ Purchase PG&E reoperation water and pay for foregone power production (30-100 kaf?)
SHASTA DAM EXPANSION	<ul style="list-style-type: none"> ◆ Addition of flash boards on Shasta Dam would increase storage capacity by 50 TAF
RIGHT TO BORROW SURPLUS STORAGE CAPACITY AND SURPLUS WATER	<ul style="list-style-type: none"> ◆ Borrow surplus storage from Arvin-Edison for San Joaquin River re-watering project
CHANGE FLOOD CONTROL DIAGRAMS	<ul style="list-style-type: none"> ◆ May be limited to the San Joaquin and Stanislaus Rivers ◆ Pursue other small-scale projects in Stage 1 in addition to above efforts (TNC has ideas for pilot projects) ◆ Need to increase run-off prediction skill (watershed model) ◆ Could improve reservoir use by relaxing flood fill curves on flood operations

PUMPING TO STORAGE	<ul style="list-style-type: none"> ◆ Good general strategy for expansion of conjunctive use opportunities by optimizing use of groundwater/surface water demand shifting ◆ Would require additional facilities to maximize use otherwise benefits could be relatively small ◆ Could result in spilling of stored water ◆ ◆ <u>Specific proposals to examine for Stage 1</u>: <ol style="list-style-type: none"> 1. Tie Castaic storage to San Luis lowpoint 2. Pump out to increase the likelihood of filling San Luis
INTERTIE	<ul style="list-style-type: none"> ◆ DMC capacity less than pumping capacity (by 400cfs) ◆ Need to determine real benefit of intertie when linked to other assets (i.e., JPOD, expanded Banks) ◆ When tied to increasing Banks capacity construction/use of intertie becomes a staging issue
RICE FIELD FLOODING	<ul style="list-style-type: none"> ◆ Could increase opportunities to spread water on fields, manage drainage to enhance instream flows if diversions were screened, water quality impacts not an issue, and dollars available for expansion ◆ Limited integration into scenarios
CVPIA: SHIFTING REFUGE SUPPLIES	<ul style="list-style-type: none"> ◆ Borrow water from refuges for EWA/WMS ◆ Fund conservation measures without decreasing benefits to refuges ◆ Use refuges as small-scale storage projects. ◆ Shift conveyance to refuges to free-up space in DMC to convey WMS/EWA water. ◆ Discuss above possibilities with DU, Grasslands, CWA
TAKE LIMITS	<ul style="list-style-type: none"> ◆ Determine whether easy or difficult to apply flexibly ◆ Identify other issues regarding flexing and application
SUISUN GATE OPERATIONS	<ul style="list-style-type: none"> ◆ Determine whether easy or difficult to apply flexibly ◆ Identify other issues regarding flexing and application
X2	<ul style="list-style-type: none"> ◆ Determine whether easy or difficult to apply flexibly ◆ Identify other issues regarding flexing and application
ERP	<ul style="list-style-type: none"> ◆ Integrate water acquired for ERP flows with WMS/EWA water